<u>AMENDMENTS</u>

In The Claims

- 1. (currently amended) A DCA memory module, comprising:
 - a substrate of a memory module;
 - at least a chip set of a single piece cut from a wafer, the chip set having a plurality of chips formed side by side with each other, wherein the chips are adhered on the substrate and are electrically connected to the substrate, a plurality of circuits not within the substrate are located within the chip set between the chips and electrically connect the chips to each other; and
 - a molding compound, encapsulating a portion of the electrical connection between the chip set and the substrate.
- 2. (original) The DCA memory module of claim 1, wherein the substrate comprises;
 - a plurality of patterned-trace layers; and
 - at least an insulating layer located in between the patterned-trace layers, wherein a plurality of vias are formed in the insulating layer and electrically connect the patterned-trace layers to each other.
- 3. (original) The DCA memory module of claim 2, wherein the insulating layer is made of a material selected from a group consisting of glass epoxy resin (FR-4, FR-5), bismaleimide-triazine (BT), epoxy resin or polyimide.
- 4. (original) The DCA memory module of claim 2, wherein the line-patterned layers are formed by defining copper foil using photolithography.
- 5. (original) The DCA memory module of claim 1, wherein the chip set is electrically connected

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to the substrate by a flip-chip technology, and the molding compound fills into a gap located between the chip set and the substrate.

- 6. (original) The DCA memory module of claim 1, wherein the chip set is electrically connected to the substrate by a plurality of conductive wires, and the molding compound encapsulates the chip set and the conductive wires.
- 7. (original) The DCA memory module of claim 1, wherein the chip set comprises an even number of chips formed side by side as one group.
- 8. (original) The DCA memory module of claim 1, wherein the chip set comprises an even number chips and a total number of chips in the DCA memory module is eight.
- 9. (original) The DCA memory module of claim 1, wherein the chip set comprises an even number chips and a total number of chips in the DCA memory module is sixteen.
- 10. (original) The DCA memory module of claim 8, wherein the chip set comprises one of the number of the chips selecting from a group of two, four or eight chips.
- 11. (original) The DCA memory module of claim 9, wherein the chip set comprises one of the number of the chips selecting from a group of two, four or eight chips.
- 12. (currently amended) A DCA memory module, comprising:

a substrate of a memory module;

at least a chip set of a single piece cut from a wafer, for adhering onto the substrate and electrically connecting to the substrate, wherein the chip set has a plurality of chips formed side by side as one group, wherein the chip set further includes a circuit to coupled the chips together; and

a molding compound, for encapsulating a portion of the electrical connection between the chip set and the substrate.





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- 13. (original) The DCA memory module of claim 12, wherein the chip set is electrically connected to the substrate by a flip-chip technology, and the molding compound fills into a gap located between the chip set and the substrate.
- 14. (original) The DCA memory module of claim 12, wherein the chip set is electrically connected to substrate by a plurality of conductive wires, and the molding compound encapsulates the chip set and the conductive wires.
- 15. (original) The DCA memory module of claim 12, wherein the chip set comprises eight chips formed side by side as one group.
- 16. (original) The DCA memory module of claim 12, wherein the chip set comprises an even number chips and a total number of chips in the chip set is eight.
- 17. (original) The DCA memory module of claim 12, wherein the chip set comprises an even number of chips and a total number of chips in the chip set is sixteen.
- 18. (original) The DCA memory module of claim 16, wherein the chip set comprises one of the number of the chips selecting from a group of two, four or eight chips.
- 19. (original) The DCA memory module of claim 17, wherein the chip set comprises one of the number of the chips selecting from a group of two, four or eight chips.

20-28. (cancelled)